

## Recovery Plan Action Status

**Plan Name:** Recovery Plan for Upland Species of the San Joaquin Valley, California

**Plan Status:** Final

**Plan Date:** 30-Sep-98

**Lead Agency:** USFWS

**Lead Office:** Sacramento Fish And Wildlife Office

(916)

414-6600 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Buena Vista Lake ornate Shrew (Sorex ornatus relictus), Riparian woodrat (=San Joaquin Valley) (Neotoma fuscipes riparia), Palmate-bracted bird's beak (Cordylanthus palmatus), Bakersfield cactus (Opuntia treleasei), Riparian brush rabbit (Sylvilagus bachmani riparius), California jewelflower (Caulanthus californicus), Fresno kangaroo rat (Dipodomys nitratooides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica), Kern mallow (Eremalche kernensis), Giant kangaroo rat (Dipodomys ingens), Tipton kangaroo rat (Dipodomys nitratooides), San Joaquin woolly-threads (Monolopia (=Lembertia) congdonii)	2	1.1	Develop regional cooperative program that coordinates land use planning and biodiversity conservation	Ongoing Not Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, California Department of Fish and Game	Other: Information and Education	Internal Technical Assistance	

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Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	1	2.1.17	Protect and manage lands appropriately in the Kerman and Alkali Sink ERs	Unknown	FY 1995 - FY 1999		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Internal Field Assistance	

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Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	3	2.1.18	Protect and properly manage listed species habitat at Mendota WA	Ongoing Not Current	FY 1995 - FY 1999		California Department of Fish and Game	Acquisition: Management Agreement	Internal Field Assistance	
Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	1	2.1.5	Protect natural lands in western Madera Co.	Discontinued	FY 2000 - FY 2004		U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Acquisition: Easement	Contract	Privately owned grazing land; depends partly on 1.2.2
Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	2	2.1.6	Protect natural lands in northcentral Fresno County	Unknown	FY 1995 - FY 1999		U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service	Acquisition: Easement	Contract	Depends on 1.2.2
Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	2	2.1.9	Protect and enhance natural lands in Sandy Mush Road and South Grasslands areas, Merced County	Ongoing Current	FY 2000 - FY 2004		City governments, County governments, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Acquisition: Easement	Contract	Depends on 1.2.2



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Palmate-bracted bird's beak (Cordylanthus palmatus)	1	2.2.1	Protect and enhance habitat for palmate-bracted bird's beak on City of Woodland property	Unknown			City governments, County governments, U.S. Fish and Wildlife Service	Acquisition: Easement	Contract	Depends partly on 1.2.2
Palmate-bracted bird's beak (Cordylanthus palmatus)	1	2.2.2	Protect, restore, and enhance habitat for palmate-bracted bird's beak at Springtown Alkali Sink	Ongoing Not Current	FY 1995 - FY 1999		City governments, County governments, U.S. Fish and Wildlife Service, California Department of Fish and Game	Acquisition: Easement	Contract	Depends partly on 1.2.2, 4.47
Palmate-bracted bird's beak (Cordylanthus palmatus)	1	2.2.25	Develop and implement management plans for palmate-bracted bird's-beak at Colusa, Delevan, and Sacramento NWRs	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Management: Habitat Maintenance and Manipulation	Contract	Research 5 years, monitoring ongoing

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Palmate-bracted bird's beak ( <i>Cordylanthus palmatus</i> ), Fresno kangaroo rat ( <i>Dipodomys nitratooides exilis</i> ), Blunt-nosed leopard lizard ( <i>Gambelia silus</i> )	1	3.2.18	Conduct surveys for upland vertebrates on the northern Valley floor	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Population Surveys	Contract	
Palmate-bracted bird's beak ( <i>Cordylanthus palmatus</i> )	1	3.2.5.1	Conduct surveys for target plant species in Valley alkali sinks north of Kern Co.	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Contract	

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Palmate-bracted bird's beak (Cordylanthus palmatus)	2	3.2.6	Conduct surveys for target plant species in alkali sinks in the Sacramento Valley	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Population Surveys	Contract	
Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	2	4.33	Conduct multiple research tasks and monitoring for palmate-bracted bird's-beak and multiple animal species at Alkali Sink ER	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Habitat Status	Contract	
Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	2	4.35	Conduct multiple research tasks and monitoring for multiple plant and animal species in western Madera County	Not Started			U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service	Research: Demographic Studies	Contract	Monitoring ongoing, research 5-10 years
Palmate-bracted bird's beak (Cordylanthus palmatus)	2	4.36	Conduct genetics research on palmate-bracted bird's-beak populations in Woodland and Western Madera County	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Genetics	Contract	
Palmate-bracted bird's beak (Cordylanthus palmatus)	2	4.47	Conduct multiple research tasks for palmate-bracted bird's-beak at Springtown	Partially Complete	FY 2000 - FY 2004		City governments, County governments, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Research: Habitat Status	Contract	Monitoring ongoing, research 5-10 years
Palmate-bracted bird's beak (Cordylanthus palmatus)	1	4.48	Research hydrology at Springtown Alkali Sink	Not Started			City governments, County governments, U.S. Fish and Wildlife Service, Private landowners	Research: Habitat Status	Labor type not yet selected	Study ongoing, CPHRP funded 1997.

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Palmate-bracted bird's beak (Cordylanthus palmatus)	2	4.49	Conduct multiple research tasks and monitoring for palmate-bracted bird's beak at Woodland and Sacramento NWR complex	Partially Complete	FY 2005		U.S. Fish and Wildlife Service	Research: Habitat Status	Contract	Monitoring ongoing, research 5 years
Palmate-bracted bird's beak (Cordylanthus palmatus)	3	4.72	Conduct matrix projection modeling for palmate-bracted bird's-beak	Not Started			U.S. Fish and Wildlife Service	Research: Other Information	Internal Technical Assistance	
Palmate-bracted bird's beak (Cordylanthus palmatus), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica), Giant kangaroo rat (Dipodomys ingens)	2	5.1.1	Restore habitat and habitat linkages for kit foxes on the Valley floor, western Fresno County	Not Started			U.S. Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, Private landowners	Acquisition: Management Agreement	Contract	Depends partly on 1.2.2
Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	2	5.1.7	Enhance natural values of Cowchilla Bypass easement properties as a linkage for listed species	Unknown			U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers	Management: Habitat Maintenance and Manipulation	Contract	Graze outer banks of levee, should generate revenue
Palmate-bracted bird's beak (Cordylanthus palmatus), Fresno kangaroo rat (Dipodomys nitratoides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	2	5.1.8	Establish linkage between northwestern and northeastern Valley edges through Sandy Mush Road area	Ongoing Not Current	FY 1995 - FY 1999		City governments, County governments, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Acquisition: Management Agreement	Contract	Depends on 1.2.2

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